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cont.

- a) providing a sequencing primer hybridized to said second domain;
 - b) extending said primer by the addition of a first nucleotide to a first detection position using a first enzyme to form an extended primer;
 - c) detecting the release of pyrophosphate (PPi) to determine the type of said first nucleotide added onto said primer;
 - d) extending said primer by the addition of a second nucleotide to a second detection position using said enzyme; and
 - e) detecting the release of pyrophosphate (PPi) to determine the type of said first nucleotide added onto said primer.
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17. (Amended) A method according to claim 10 wherein said determining comprises:

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- a) providing a sequence primer hybridized to said second domain;
 - b) extending said primer by the addition of a first protected nucleotide using a first enzyme to form an extended primer;
 - c) determining the identification of said first protected nucleotide;
 - d) removing the protection group;
 - e) adding a second protected nucleotide using said first enzyme; and
 - f) determining the identification of said second protected nucleotide.
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25. (Amended) The method according to claim 10, wherein discrete sites are wells, and said

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microspheres are randomly distributed in said wells.

REMARKS

Claims 1-30 are pending in the instant application. Claims 10-11 stand provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-2 of copending Application No. 09/425,633. Claims 1-17 and 22-